



WATER MANAGEMENT MONTHLY REPORT

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Prepared by: U.S. Army Engineer Division,
Great Lakes and Ohio River, PO Box 1159,
Cincinnati, OH 45201-1159

RESERVOIR OPERATION AND SYSTEM STATUS FOR MAY 2004

HIGHLIGHTS – Cairo stage began the month at 29.9 feet and ended at 41.8 feet and was rising steadily. Flood stage is 40.0 feet. Well above normal rainfall resulted in some flooding and heavy reservoir storage. Berlin Reservoir was filled to capacity. A flood operation was declared at Cairo over the Memorial Day weekend. Very dry conditions continue over the southern areas of the basin.

WEATHER –The weather during May was warm and wet. Weather systems were more summer like than normal as temperatures for the month were well above normal by 3 to 7 degrees. Precipitation was very heavy over most of the basin. Much of southern Illinois, southern Indiana and Kentucky had 2 to 3 times their normal rainfall. Ohio, West Virginia and Pennsylvania received nearly twice their expected normal over many areas. However, most of Tennessee, North Carolina and states south had below normal rainfall and continue to be dry.

TEMPERATURE AND PRECIPITATION – MAY 2004

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	65.4	+5.4	6.09	+2.29
Charleston, WV	68.9	+6.5	8.09	+3.79
Columbus, OH	66.8	+4.2	5.93	+2.05
Cincinnati, OH	67.0	+3.3	6.85	+2.26
Louisville, KY	69.7	+3.9	10.66	+5.78
Indianapolis, IN	66.9	+4.3	8.55	+4.19
Evansville, IN	70.1	+4.5	9.31	+4.30
Nashville, TN	71.7	+4.6	6.90	+1.83

STREAMFLOW -- Ohio River monthly average flows for May ranged from a low of 89 percent of normal at Paducah, KY to a high of 151 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 52 percent of normal at Paducah, KY to a high of 400 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for May at the Ohio River Index Stations:

FLOW DATA – MAY 2004

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	57,300	151	400	66
Huntington, WV	125,000	135	291	63
Cincinnati, OH	158,000	128	267	59
Louisville, KY	195,000	138	305	59
Evansville, IN	208,000	123	260	56
Paducah, KY	290,000	89	153	52

RESERVOIRS -- May began with 3.0% utilization of the total system flood control storage and ended the month at 6.4%. System-wide augmentation storage started at 97.4% at the beginning of the month and was at 98.6% by the end of the month. Significant flood storage utilization in excess of 25 percent occurred at a number of projects during the month; Woodcock, Union City, Mahoning Creek, Stonewall Jackson, Mosquito Creek, Atwood, Senecaville, Wills Creek, Burnsville, Ton Jenkins, Carr Fork, Buckhorn, Taylorsville, Rough River and Patoka. A couple of projects utilized in excess of 50 percent of flood control storage; Kirwin and Milton. The Berlin project was used in excess of 100 percent as water flowed through the spillway.

The following table depicts storage change by tributary reservoir subsystem for May:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+66,000
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+84,600

Twelvepole-Big Sandy-Little Sandy-Scioto	+52,900
Little Miami-Licking-Mill Creek-Great Miami	+93,100
Kentucky-Salt-Green-Wabash	+392,600
Cumberland	-140,400
TOTAL	+548,800

LYN C. RICHARDSON, P.E.
Chief, Technical Engineering & Construction Div.